



***DARPA*Tech**

2002 Symposium

Transforming
Fantasy



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Program Manager



Precision Target Identification

Thomas M. Strat



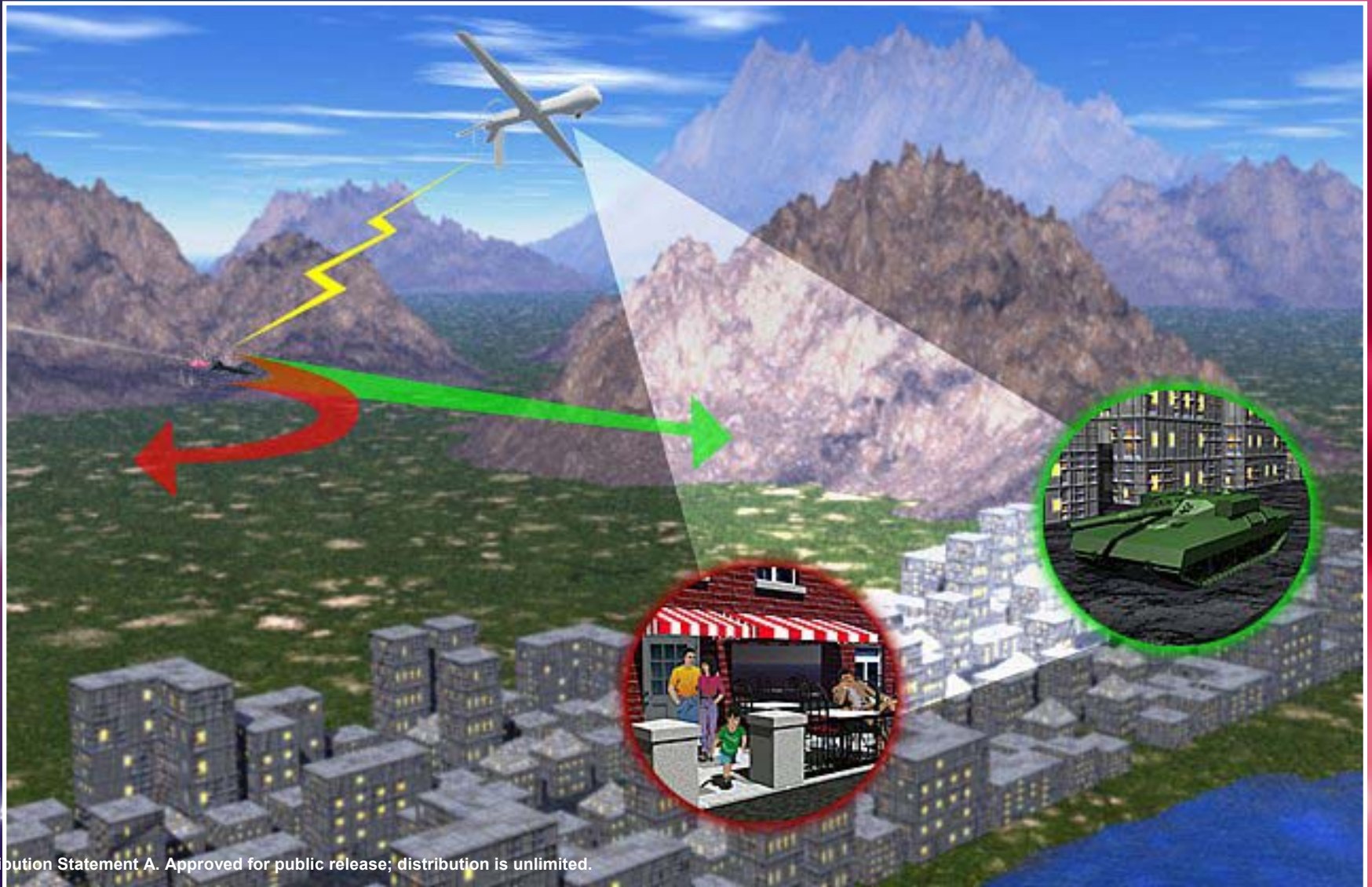
The Goal of Precision ID

*Destroy the right target
and ONLY that target.*



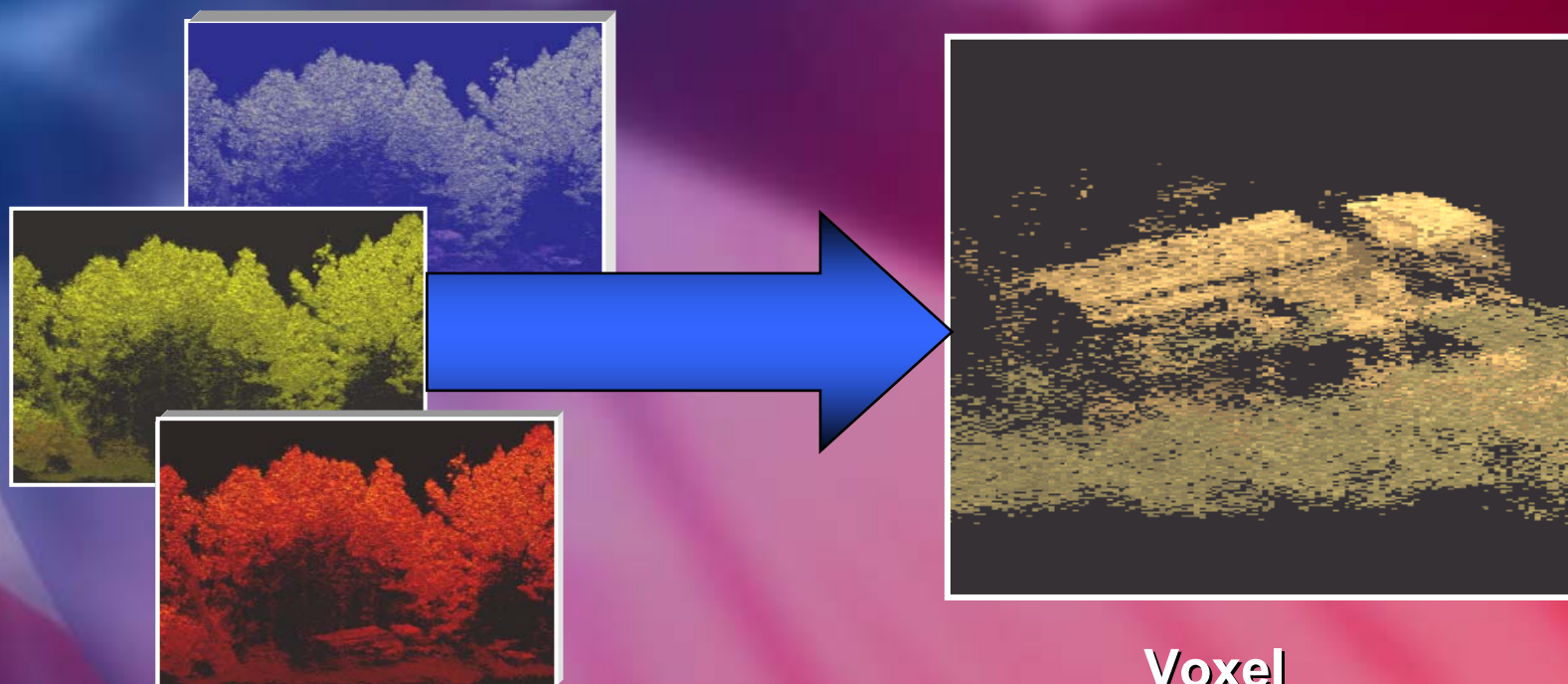
Precision ID

► Close-in sensors



Precision ID

- Identification based primarily on 3-D Geometry



**Multi-View
3-D Registration**

**Voxel
Representation**



3D Sensor Development



Exploitation of 3D Data



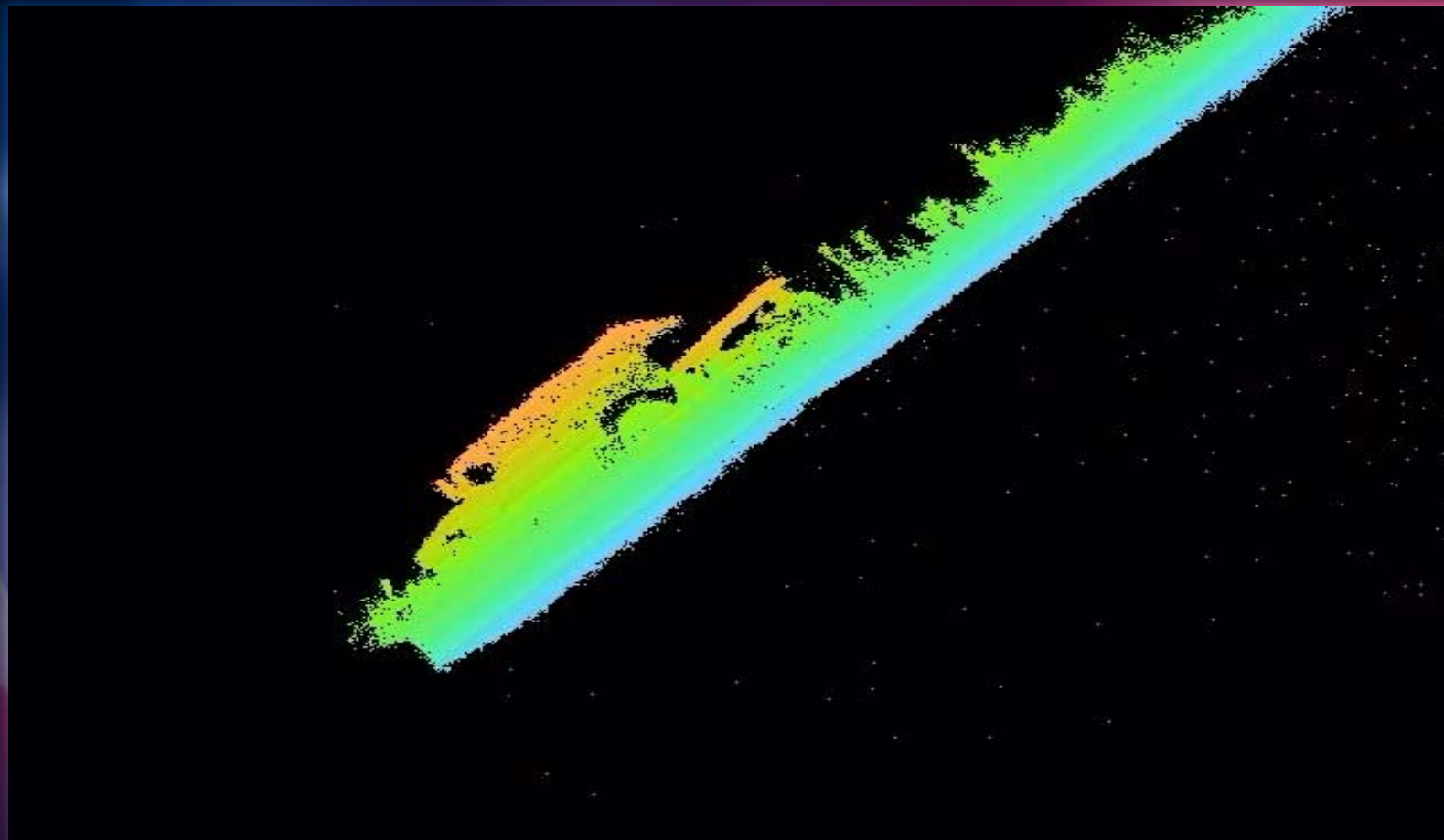
Video Target Identification





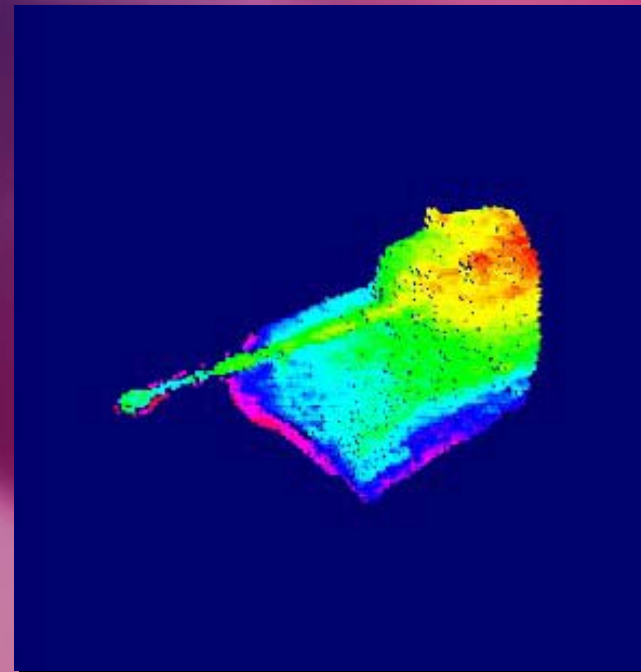








**M109 Self-Propelled
Howitzer Behind Wall**

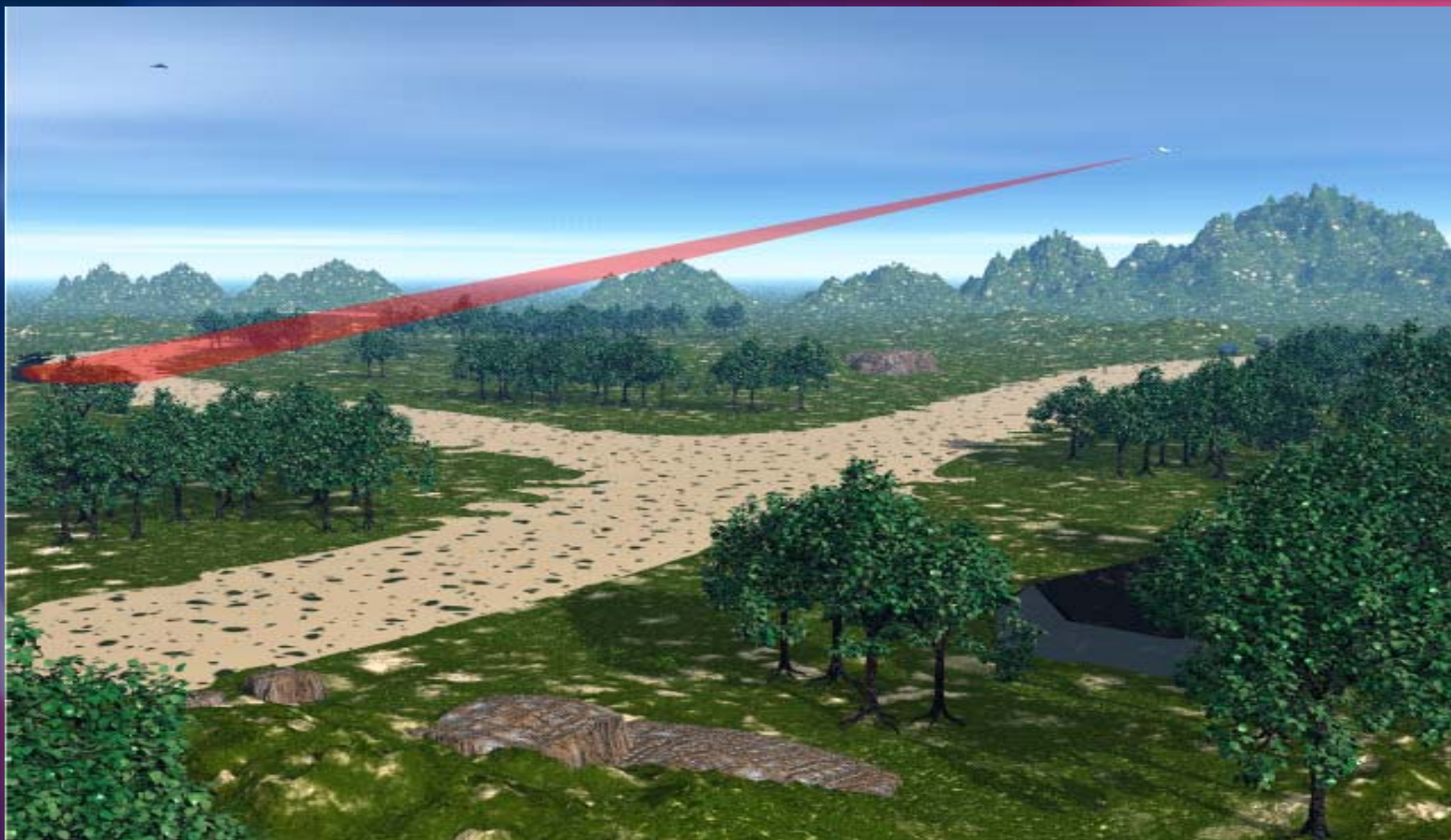


**Partially Occluded
Depth Model**



**VIVID will identify and track the target
Using advanced model-matching procedures.**







3D Sensor Development



Exploitation of 3D Data

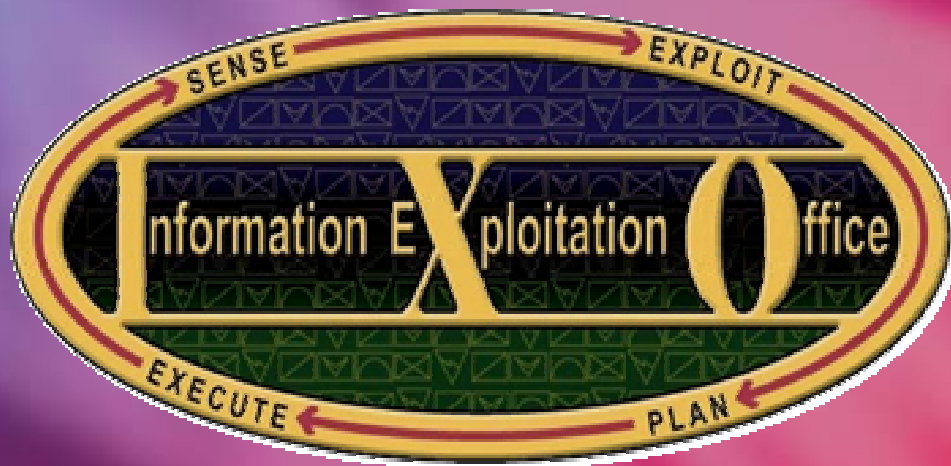


Video Target Identification





Precision Target ID





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